

MID 6~12KTL3-XL

- Max. efficiency 98.5%
- 40% compact and lighter
- Dual MPP trackers
- Supports export control
- Touch key and OLED display
- Type II SPD on AC and DC side



GROWATT

P O W E R
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T O M O -
R R O W

Datasheet	MID 6KTL3-XL	MID 8KTL3-XL	MID 10KTL3-XL	MID 11KTL3-XL	MID 12KTL3-XL
Input Data					
Max. recommended PV power (for module STC)	7800W	10400W	13000W	13000W	15600W
Max. DC voltage	800V				
Initial voltage	250V				
Nominal voltage	360V				
MPPT voltage range	160-800V				
Full load voltage	280-650V				
No. of independent MPPT	2				
No. of PV strings per MPPT	2				
Max. input current per MPPT	27A				
Max. short-circuit current per MPPT	32A				
Output (AC)					
AC nominal power	6000W	8000W	10000W	11000W	12000W
Max. AC apparent power	6600VA	8800VA	11100VA	12100VA	13300VA
Nominal AC voltage/range	133V/230V				
AC grid frequency; range	50/60 Hz; 47.5~52 Hz/55-65 Hz				
Max. output current	16.5A	22.1A	27.8A	30.3A	33.3A
Powerfactor @Nominal power	>0.99				
Power factor	0.8 leading - 0.8 lagging				
THDI	<3%				
AC grid connection type	3W+PE				
Efficiency					
Max. efficiency	98.50%	98.50%	98.50%	98.50%	98.50%
Euro - eta	98.10%	98.10%	98.10%	98.10%	98.10%
Protection Devices					
DC reverse polarity protection	yes				
DC Switch	yes				
DC Surge protection	Typell				
Insulation resistance monitoring	yes				
AC surge protection	Typell				
Output short circuit protection	yes				
Ground fault monitoring	yes				
Grid monitoring	yes				
Anti-islanding protection	yes				
Residual-current monitoring unit	yes				
String fault monitoring	opt				
AFCI protection	opt				
General Data					
Dimensions (W / H / D) in mm	525/395/222				
Weight	23kg				
Operating temperature range	-25 °C ... +60 °C				
Self-Consumption (night)	<1W				
Topology	Transformerless				
Cooling	Natural convection				
Environmental Protection Rating	IP65				
Altitude	4000m				
Relative Humidity	0~100%				
DC connection	H4/MC4(opt)				
AC connection	Cable gland+OT terminal				
Features					
Display	OLED+LED WIFI+APP				
Interfaces: USB/RS485/WIFI/GPRS/4G	yes/yes/opt/opt/opt				
CE, EN50549, VDE-AR-N4105, CEI 0-21, CEI 0-16, IEC 62116, IEC 61727, G99, AS4777					